



**TECHNIQUES FOR IMPLEMENTING SECURITY ON A SMALL
FOOTPRINT DEVICE USING A CONTEXT BARRIER**

Abstract of the Disclosure

A small footprint device, such as a smart card, can securely run multiple programs from unrelated vendors by the inclusion of a context barrier isolating the execution of the programs. The context barrier performs security checks to see that principal and object are within the same namespace or memory space or to see that a requested action is authorized
5 for an object to be operated upon.

RECEIVED

DEC 09 2002

Technology Center 2100